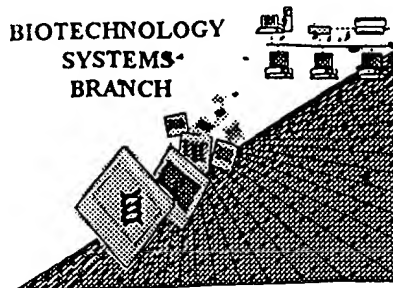


## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0590  
1102  
X8

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/966781

Source: OIP E

Date Processed by STIC: 11/06/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/966781

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY P

- 1 ☐ **Wrapped Nucleics  
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino  
Numbering** The numbering under each 3<sup>rd</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0  
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences  
(OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences  
(NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
<210> sequence id number  
<400> sequence id number  
000
- 9 ☒ **Use of n's or Xaa's  
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
- 10 ☐ **Invalid <213>  
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 ☐ **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0  
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ **Misuse of n** n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/966,781

DATE: 11/06/2001

TIME: 09:39:01

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11062001\I966781.raw

3 <110> APPLICANT: SOULARD, PATRICIA  
 5 <120> TITLE OF INVENTION: POLYPEPTIDES EXHIBITING PDE7 ACTIVITY AND THEIR USE FOR  
 6 SELECTING COMPOUNDS WHICH INHIBIT PDE 7 ENZYME ACTIVITY  
 9 <130> FILE REFERENCE: A0000281US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/966,781  
 C--> 12 <141> CURRENT FILING DATE: 2001-09-28  
 14 <160> NUMBER OF SEQ ID NOS: 35  
 16 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
 Corrected Sequence Needed

## ERRORED SEQUENCES

Error Fields 221, 222 and 223 are  
 required when "n" unknown are  
 present in the sequence strings.

Failure to enumerate N's

757 <210> SEQ ID NO: 35  
 758 <211> LENGTH: 2939  
 759 <212> TYPE: DNA  
 760 <213> ORGANISM: Mus sp.  
 762 <400> SEQUENCE: 35

763	gaattcctcc	gttacttttt	cactccactg	cttgcttaat	tcccagttcc	gacatgggtt	60
764	acaaatatca	gcacatttca	aggccatcta	gcaaacaaaa	tattaaaagg	gtgttaagga	120
765	agaaaagatc	tcattgtacc	aagttttaaat	cgactccagc	aatggggaag	agcactgaag	180
766	agagagagga	gcccctgaca	tgttggtgtc	agtgtgcatg	ggatccagaa	ccaagtaaaa	240
767	ttaaaagcca	gcaaagaaga	ggaaaacact	gtgcaagaaa	aatcactgtg	acattaactt	300
768	catgctgcta	ctgatctacc	aagtatcggt	gcagaaggct	cacagggagc	taactctgta	360
769	gaattaccct	tgacaatcca	aaggagacac	aatgactgac	cagtcagaaa	atacaacaaa	420
770	atccagagac	accatatact	ccttgccctc	cttttcatga	ggaaactcat	cagatagtca	480
771	ctggtgactg	gacggcattc	tcagaamcct	gagtaggaaa	agtcccaaag	ccacatgcct	540
772	ctcctgtatg	ttctggaagg	gaacgtgctg	tctgtggaac	ctccttcttc	ccaacttacc	600
773	ctgaaaaaaa	gatctgctat	atttcatcct	tgttctacct	gtcacatgat	ttaccctgga	660
774	aacaatcttt	gcaagttgca	gaactttacc	tgtagaacca	aatgcctatg	tctgccatcg	720
775	tcaagtgta	agtcaccttt	atccaaagtga	gatctaaaca	atgacaggta	ctcgttcttg	780
776	cgactgatat	ccgtggctaa	tatcaaagca	cctatctgag	cctccatctc	ttgcctggaa	840
777	ttacagaaat	aatgagacat	ttagtacttt	caatttat	tctctcttaa	gtttaagtat	900
778	tcagaaaagct	ttacaaaacc	ctaagatact	ctgaaaagtg	ctttgaactt	gatatataag	960
779	aaagtattat	gaagagtgc	tttaaaaaata	ttaaaataac	ttaaagtaaaa	ctaagagttt	1020
780	tcagggaat	actacaatgc	aaagatgccc	aagggaagcgt	ctttatgcgt	cagcccaaag	1080
781	tcaaattatt	tgttataaag	gagggaaaca	ccmaccta	accattatgc	tgtttgagaa	1140
782	aattcttaag	aattttctga	gatattcttg	tatgtataac	aaacaacctt	tgctctat	1200
783	tttggtgcct	aggacctaaa	aaaagattca	ggcagagaaa	atattaattg	tctagtga	1260
784	catctgagaa	agatgcttaa	tgcttaatga	aataagcatc	ttaataaaat	tctactcagc	1320
785	agtttgatca	aggggcccaga	gatgggttca	gcaatttatg	gtataggctc	tttttctaga	1380
E--> 786	ggttggttcc	caactccctc	atggcagcct	accataagg	taattccntt	ttcagagagt	1440
787	tcctcactct	ctcctggctc	tgtgctaccc	accatggatg	tggtgcatgg	atatacatgt	1500
E--> 788	aagcnaaata	cacatgcacc	taaaataatc	aagagtcagt	tatctgtgta	agaatattca	1560
789	aatttatctg	gaggaaaaat	gtcacatggt	aatacagaca	gcacatatac	tgcatctttt	1620
790	taaaaacggc	ctatatgaga	tttaaaaaaa	aaaaaccctc	acagagtcac	aataagatta	1680
E--> 791	tcttggtatt	aatggtaaca	agaagaccnt	tgagatggct	cacaggagtc	cttgccctnt	1740
E--> 792	gagcctgatg	gnctagaggt	catccttggt	accccagagg	aagcagacca	aaggwctgct	1800

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/966,781

DATE: 11/06/2001

TIME: 09:39:01

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11062001\I966781.raw

```

E--> 793 gaaggcaatc ctcagacctg ttgtgnccac agcacacctg ttgctgagtn cacacacaca 1860
E--> 794 cacacacatt ttagtcacat tcggaaaaan ccaanacagg ttcaaacaaa cncaanactg 1920
E--> 795 aatattttaca cacaaagttt aaaatccang ccggcaaggt ttnaaatgtt ttgccaaca 1980
E--> 796 ccatcatatt ggacttattt aacttttagtg tttcttctna tgccaccaa atgnccttag 2040
      797 tccttagtat taaattattt ttttaagctat tttctgttgt tttattcatt atccttcacg 2100
E--> 798 acagctccaa agcgtacatn agggcacagg nccttattat ccttggttta ctggctttgc 2160
E--> 799 atatgttggt gtctgaatat atcttggtat gcactgtcnc tttctgtgta atctttcagg 2220
E--> 800 tatgcacctg aaccctttat tagaaaaggt acgtacaccc antgagccat tatgtgtgaa 2280
      801 gtgacttttc acagtactca aaaaggggta tctttcataa aaataaatag ccaatgtaaa 2340
      802 agcgacaact acgtagcagg cttagaatt tgggtataac ttcctttgga tttccagtgt 2400
      803 atctgtgttt ggctcacatt tatgtatgtg tgccatgtgt agatatctgt gagctatcat 2460
E--> 804 gtggggagct ggggaactgaa cccagatctt ctctagaac agcaaaaatt ctaaaactgnt 2520
E--> 805 gagecntttt tccagacca caattttgat aattttgttg ttggtgttgt ttgtttgttt 2580
E--> 806 tgcttctnga gacagggttt ttctgtatag ccctggctgt cctggaactc antctgtaga 2640
E--> 807 ccaggctggc ctngantcag aaatctgcct gcttctgcct cccaagagct gggattaaag 2700
      808 gcgtgccacg cccagctaatt cttgattttt aaaaagatac gtttagttta atgaaacggg 2760
      809 aagctatgga gcagctgaat aacatatttt tatcttaatt agtaacttta tttccatagg 2820
      810 caatgcattt gttttaagcc accttacctg ctttccaatg gcaagtgtga gaacaaacca 2880
      811 gattctctta acaagcccac tgcagatctc cagtgggtgt ctccaggact gaggaattc 2939

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/966,781

DATE: 11/06/2001

TIME: 09:39:02

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11062001\I966781.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:786 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35

M:340 Repeated in SeqNo=35